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L1: Entry 1 of 1 File: USPT Sep 12, 2000

US-PAT-NO: 6119096
DOCUMENT-IDENTIFIER: US 6119096 A

TITLE: System and method for aircraft passenger check-in and boarding using iris recognition

DATE-ISSUED: September 12, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mann; Stewart	Falls Church	VA		
Mann; L. Maribel	Falls Church	VA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
EyeTicket Corporation	McLean	VA			02

APPL-NO: 09/ 053216 [PALM]
DATE FILED: April 1, 1998

PARENT-CASE:
This application claims the benefit of the following U.S. Provisional Patent Applications: Ser. No. 60/070,566, filed Jan. 6, 1998, and Ser. No. 60/054,339, filed Jul. 31, 1997.

INT-CL: [07] G06 F 17/60

US-CL-ISSUED: 705/5; 382/117, 235/384, 705/40
US-CL-CURRENT: 705/5; 235/384, 382/117, 705/40

FIELD-OF-SEARCH: 705/35, 705/5, 705/40, 705/41, 705/42, 705/43, 705/44, 705/26, 705/27, 235/380, 235/384, 382/115, 382/116, 382/117, 382/118, 382/119, 382/124, 707/3, 707/4, 707/5, 707/6, 707/7, 707/9, 707/10

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4210899	July 1980	Swonger et al.	382/117
☐	4641349	February 1987	Flom et al.	382/125
☐	4711994	December 1987	Greenberg	235/384
☐	4798942	January 1989	Aubrey	235/384

☐	5051565	September 1991	Wolfram	235/384
☐	5053608	October 1991	Senanayake	235/380
☐	5177342	January 1993	Adams	235/379
☐	5225990	July 1993	Bunce et al.	700/226
☐	5229764	July 1993	Matchett et al.	340/825.34
☐	5280527	January 1994	Gullman et al.	713/184
☐	5291560	March 1994	Daugman	382/117
☐	5336870	August 1994	Hughes et al.	235/379
☐	5469506	November 1995	Berson	713/186
☐	5471203	November 1995	Sasaki et al.	340/825.31
☐	5478993	December 1995	Derkson	235/380
☐	5485520	January 1996	Chaum et al.	705/74
☐	5497430	March 1996	Sadovnik et al.	382/156
☐	5566327	October 1996	Sehr	707/104
☐	5572596	November 1996	Wildes et al.	382/117
☐	5578808	November 1996	Taylor	235/380
☐	5594806	January 1997	Colbert	382/115
☐	5613012	March 1997	Hoffman et al.	382/115
☐	5615277	March 1997	Hoffman	382/115
☐	5712914	January 1998	Aucsmith et al.	380/30
☐	5764789	June 1998	Pare, Jr. et al.	392/115
☐	5793639	August 1998	Yamazaki	700/226
☐	5801367	September 1998	Asplund et al.	235/384
☐	5809480	September 1998	Chasek	705/13
☐	5845692	December 1998	Kellem et al.	160/118
☐	5866888	February 1999	Bravman et al.	235/375
☐	5877484	March 1999	Hirose	235/382
☐	5901238	May 1999	Matsushita	382/117
☐	5912981	June 1999	Hansmire et al.	382/116
☐	5920053	July 1999	DeBrouse	235/375
☐	5930761	July 1999	O'Toole	705/5
☐	5943651	August 1999	Oosawa	705/5
☐	5953440	September 1999	Zhang et al.	705/5
☐	5953705	September 1999	Oneda	382/117
☐	5956122	September 1999	Doster	351/210
☐	5978494	November 1999	Zhang	382/117
☐	5991429	November 1999	Coffin et al.	382/118

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FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0271022	June 1988	EP	
04063785	October 1993	JP	

OTHER PUBLICATIONS

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Torbenson, Eric, "Northwest Airlines to Upgrade Computers, Offer Self-Service Check-In," Knight Ridder Tribune Business News, Jul. 31, 1999.
Torbenson, Eric, "Airlines to Offer Faster Services to Attract Passengers," Knight-Ridder Tribune Business News, Jul. 31, 1999.
Hildreth, Elizabeth, "A Smart Biometric Answer for Airline Safety," Card Technology, Oct. 1, 1999, p. 27+, Faulkner & Gray, Inc.
"SITA at 50," Air Transport World, Jun. 1999, p. 51+, vol. 36 No. 6, Penton Publishing, Inc.
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Butterworth-Hayes, Philip, The Pitfalls and Promises of Self-Service Check-In Kiosks, Jane's Airport Review, Jan. 1, 1999, p. 46, vol. 11 No. 1.
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McRae, Hamesh, "Business (A traveller's cheque for the future)," Independent on Sunday, Aug. 3, 1997.
"Airport Feature--The Intelligent Airport," Jane's Airport Review, May 1, 1996, p. 51, vol. 8 No. 4, Jane's Information Group.
Zutell, Irene, "Newark News: With Twice as much Space and Services, Newark's International Terminal Simplifies Transfers for Travelers," Travel Agent, Apr. 22, 1996, p. 26, Gale Group.
Churchill, David, "The Airlines' First Priorities (international business travelers)," Management Today, Oct. 1995, p. 90(4), Management Publications Ltd., UK.
"CDSI Unveils Biometric Smart Card System, Boosting Airport, Airline Security," PR Newswire, Aug. 17, 1995, p. 817DC017, Computer Data Systems, Inc., Rockville, Maryland.
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Bredemeier, Judi, "Traveler or Terrorist?: High-Tech Passenger Profiling May Aid Airport Security," Business Travel News, Mar. 23, 1992, p. 1, Miller Freeman, Inc.

ART-UNIT: 271

PRIMARY-EXAMINER: Voeltz; Emanuel Todd

ASSISTANT-EXAMINER: Kalinowski; Alexander

ATTY-AGENT-FIRM: Smith; Evan R.

ABSTRACT:

A system and method for automated aircraft boarding uses an iris recognition system for check-in and boarding. The passenger is enrolled once and assigned an account number. The passenger thereafter makes reservations using that account number. On arrival at the airport, the passenger is identified using an iris recognition system

and automatically checked in for the flight, without the use of cards or other identification. Entry to the aircraft at the gate may also be provided with an iris recognition station. In one preferred embodiment, baggage check and baggage reconciliation are also performed using iris recognition. In its preferred embodiment, the disclosed system and method enhances customer convenience by eliminating tickets, boarding passes, and identification steps, while improving aircraft security.

67 Claims, 14 Drawing figures

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L2: Entry 1 of 1 File: USPT Sep 12, 2000

DOCUMENT-IDENTIFIER: US 6119096 A
TITLE: System and method for aircraft passenger check-in and boarding using iris recognition

US Patent No. (1):
6119096

Detailed Description Text (15):
Each turnstile 102 may further include a turnstile barrier mechanism 122 at the exit point of turnstile 102. The preferred embodiment for mass transit and stadium applications would include such a barrier mechanism 122 to enhance crowd control and minimize requirements for monitoring and security personnel. However, for airplane loading and other applications where an attendant will be present at the entry point, the barrier mechanism may be omitted. In fact, in such applications where space is at a premium and other security measures are already in place, the walls defining first passage portion 114 and second passage portion 116 may be omitted so that turnstile 102 is an identification station effectively consisting only of biometric sensors 112 and associated indicating, signaling, computer, and communications components. In this embodiment, the system is located at a threshold, or point of entry or exit, but provides only an indicational barrier and not a physical one. Thus, the form of the means selected for providing a turnstile function may encompass a broad range of degrees of physical barrier provided, and may in some embodiments provide only an access permission indicator without any form of physical access prevention.

Detailed Description Text (19):
The operation of the system is controlled by scan control and accounting computer 104, which is operably connected to both monitor and control all of the biometric sensors 112, height sensors 120, and barrier mechanisms 122 in the manner described herein.

L5: Entry 22 of 24 File: DWPI Jun 24, 1993

DERWENT-ACC-NO: 1993-206630
DERWENT-WEEK: 199326

TITLE: Two colour imaging used to check luggage in airport security system - presenting pixels in both colours on same screen only when beam threshold has exceeded predetermined level

INVENTOR: ANNIS, M; RILEY, G P

PATENT-ASSIGNEE: AMERICAN SCI & ENG INC (AMSCN)

PRIORITY-DATA: 1991US-0811685 (December 23, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 4240757 A1	June 24, 1993		006	G01N023/02
US 5253283 A	October 12, 1993		006	H05G001/64

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 4240757A1	December 3, 1992	1992DE-4240757	
US 5253283A	December 23, 1991	1991US-0811685	

INT-CL (IPC): G01N 23/02; G07C 11/00; H05G 1/64

ABSTRACTED-PUB-NO: DE 4240757A
BASIC-ABSTRACT:

An item is penetrated by a beam to alternate two ways depending on the item. This occurs before capture and pixel image generation. Pixels are presented in a predetermined colour, commensurate with the alternating effect. Pixels are also presented in a second predetermined single colour, commensurate with the second alternating effect.

The pixels are then presented in both colours on the same screen and only when the beam threshold has exceeded a predetermined level.

ADVANTAGE - Different colours in presentation simplify identification of objects examined and increase operator efficiency in identifying suspicious objects.

nd

ABSTRACTED-PUB-NO: US 5253283A
EQUIVALENT-ABSTRACTS:

The inspection method involves using penetrating radiation. Pixels corresponding to transmitted radiation which has been attenuated to at least a predetermined level are displayed in a first colour. Pixels which correspond to radiation which has been backscattered to a least predetermined level are displayed in a second colour. Pixels which correspond to the remainder of the transmitted radiation are displayed in a third colour.

Additionally, the brightness of the colour of each pixel is controlled in dependence

on how far above or below the predetermined level the detected transmitted or scattered signal is.

ADVANTAGE - Displays information in manner which facilitates rapid and accurate identification of contraband.

how

CHOSEN-DRAWING: Dwg.1/2 Dwg.1/2

DERWENT-CLASS: S03 T05 W06
EPI-CODES: S03-E06B; T05-E; W06-B02A5;

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L5: Entry 24 of 24 File: DWPI Oct 29, 1981

DERWENT-ACC-NO: 1981-L7173D
DERWENT-WEEK: 198145

TITLE: Aircraft boarding facility for large airports - has runway transport vehicle provided with two levels, for checking in and waiting

INVENTOR: FUISZ, G; SZABO, L

PATENT-ASSIGNEE: BOCK E (BOCKI), EAA ECONOMICAL-AIR (EAAEN), FUSZ G (FUISI)

PRIORITY-DATA: 1981DE-3103916 (February 5, 1981), 1980DE-3016024 (April 25, 1980), 1980DE-3032342 (August 28, 1980)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 8103004 A	October 29, 1981	G	033	
BR 8108158 A	March 9, 1982		000	
DE 3016024 A	November 12, 1981		000	
DE 3016024 C	August 26, 1982		000	
DE 3032342 A	March 11, 1982		000	
DE 3103916 A	August 19, 1982		000	
DE 3103916 C	February 13, 1992		000	
EP 50643 A	May 5, 1982	G	000	
EP 50643 B	January 30, 1985	G	000	
HU 36039 T	August 28, 1985		000	
JP 57500554 W	April 1, 1982		000	
US 4457554 A	July 3, 1984		000	

DESIGNATED-STATES: BR HU JP SU US AT CH FR GB LU NL SE AT CH FR GB LI LU NL SE AT CH FR GB LI LU NL SE

CITED-DOCUMENTS:CH 298362; CH 374292

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 50643A	April 27, 1981	1981EP-0901214	
US 4457554A	December 23, 1981	1981US-0336389	

INT-CL (IPC): B62D 31/02; B64F 1/31

ABSTRACTED-PUB-NO: WO 8103004A
BASIC-ABSTRACT:

When passengers arrive at a large airport they check in at the reception desk and hand over their luggage and recieve boarding tickets. They then usually have to wait for the airport bus to take them to the aircraft waiting on the apron. These procedures can be more conveniently carried out by using a special vehicle which serves as the check in desk. The vehicles have two decks and passengers enter the

lower deck (1) from the rear door (4).

All the travel formalities are carried out and the passenger then mounts the stairs to the upper deck (2) which is used as a waiting room. An extensible gangway (6) attached to the upper deck facilitates access to the waiting aircraft when the vehicle has transported the passengers and their luggage to it.

ABSTRACTED-PUB-NO: US 4457554A
EQUIVALENT-ABSTRACTS:

The method is for dispatching air passengers between the arrival at an arrival zone and boarding the aircraft, with check-in baggage checking and transport from the arrival zone to the aircraft waiting at the ramp. The air passengers, after arrival at the arrival zone, are conducted, together with the baggage, into a cabin mounted on a vehicle, and check-in, baggage checking and, optionally, a security check are performed in the cabin which transports the air passenger directly to the aircraft.

ADVANTAGE - The vehicle over a number of functions which heretofore were performed in the stationary airport building. (14pp)i

EP 50643B

Method of checking-in airport passengers between arrival at an arrival zone and boarding the aircraft, with checking-in of baggage and transfer from the arrival zone to the aircraft which is standing on the apron, in which, after arrival at the arrival zone the passengers and the luggage are conducted to a vehicle (100) which transports the passengers together with the luggage directly to the aircraft, characterised in that the checking-in and, if required, the security checking of the passengers takes place in the vehicle (100). (17pp)e

DE 3103916C

Processing passengers in arrival zone before boarding the plane is carried out in a vehicle which also carries their baggage to the plane as in 016024. The aircraft (30) should be towed on the apron by the vehicle (100).

Pref. the vehicle (100) has a coupling (24) rod (25) which can extend and retract from the vehicle to couple to the aircraft for towing this etc.

USE/ADVANTAGE - Aerodrome equipment, passenger handling. Passengers are not separated from their baggage, all baggage securely identified to prevent bombs etc. being smuggled aboard. (4pp)

CHOSEN-DRAWING: Dwg.2

DERWENT-CLASS: Q25

L5: Entry 7 of 24 File: DWPI Jun 12, 2003

DERWENT-ACC-NO: 2003-635103
DERWENT-WEEK: 200360

TITLE: Wide area metal detection system for security purposes e.g. in airports, has magnetic field generator, magnetic sensors for detecting and indication locator for indicating location of individuals with metal object

INVENTOR: NELSON, C V

PATENT-ASSIGNEE: NELSON C V (NELSI), UNIV JOHNS HOPKINS (UYJO)

PRIORITY-DATA: 2002US-0280842 (October 25, 2002), 2001US-346834P (October 25, 2001), 2002US-403857P (August 15, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 2003048808 A2	June 12, 2003	E	000	G01V000/00
US 20030080868 A1	May 1, 2003		014	G08B013/24

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
WO2003048808A2	October 25, 2002	2002WO-US34276	
US20030080868A1	October 25, 2001	2001US-346834P	Provisional
US20030080868A1	August 15, 2002	2002US-403857P	Provisional
US20030080868A1	October 25, 2002	2002US-0280842	

INT-CL (IPC): G01 V 0/00; G08 B 13/24

ABSTRACTED-PUB-NO: US20030080868A
BASIC-ABSTRACT:

NOVELTY - The Wide Area Metal Detection (WAMD) system has a metal detector subsystem (402), which includes a horizontal magnetic field generator (HMFG) buried below a walking surface. Magnetic field sensors within the sensing area of HMFG, senses a metallic object by the eddy currents in the magnetic field, and a location detector detects the location of individuals with metal object.

DETAILED DESCRIPTION - The detection and classification subsystem (404) is used to classify the type of metal object and determines whether the metal object poses a threat. The video camera subsystem (408) has a video camera for identifying the individual with the metal object and tracks further movements of the individual.

USE - Used for security purposes in airports, sporting events, concerts, amusement parks, federal buildings, banks, schools, military checkpoints, border crossings and other high-security installations.

ADVANTAGE - The wide area metal detection system provides a way to focus on potential threats while minimizing the inconvenience to a large number of people.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of the wide area metal detection system.

Control system 400

Metal detector subsystem 402

Detection and classification subsystem 404

Operator interface 406

Video camera subsystem. 408

ABSTRACTED-PUB-NO: US20030080868A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.4/8

DERWENT-CLASS: S03 T01 W02 W05 W06
EPI-CODES: S03-C02B; S03-C06; T01-J08A; W02-F01A5; W05-B01A; W06-B02A1;

L5: Entry 8 of 24 File: DWPI Jul 10, 2003

DERWENT-ACC-NO: 2003-569208
DERWENT-WEEK: 200355

TITLE: Method for providing passenger accountability in commercial airport using frequent flyer card or boarding pass to monitor location of checked in passenger prior to boarding and checking passenger information against external database

INVENTOR: BENSKIN, G H; KELLY, P J

PATENT-ASSIGNEE: BENSKIN G H (BENSI), KELLY P J (KELLI), MAXIMUS INC (MAXIN)

PRIORITY-DATA: 2001US-330458P (October 22, 2001), 2002US-0267586 (October 10, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030127511 A1	July 10, 2003		000	G06K005/00
WO 2003053783 A2	July 3, 2003	E	029	B64F001/00

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US20030127511A1	October 22, 2001	2001US-330458P	Provisional
US20030127511A1	October 10, 2002	2002US-0267586	
WO2003053783A2	October 22, 2002	2002WO-US33484	

INT-CL (IPC): B64 E 1/00; G06 K 5/00

ABSTRACTED-PUB-NO: WO2003053783A
BASIC-ABSTRACT:

NOVELTY - The method involves a check-in agent receiving information such as biometric fingerprint data and a photographic image identifying a passenger seeking to board a commercial carrier. After the passenger is designated as checked-in, a frequent flyer smart card or a boarding pass can be used to monitor the location of the checked-in passenger prior to boarding the commercial carrier. The passenger information is checked against an external database to identify passengers that might pose a security risk. Checked-in passengers that haven't boarded the plane a predetermined time before departure are identified so that their baggage can be removed.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for an apparatus for facilitating passenger accountability comprising a credit card sized memory device adapted to store a predetermined amount of electronic information, where the information identifies a number of times and locations associated with movement of the passenger in the mass transit facility, and the time that the passenger boards the commercial carrier.

USE - For providing passenger accountability in airports and other mass transit facilities.

ADVANTAGE - Enables enhanced commercial airline security by closely screening travellers and monitoring the movements of travellers and their baggage. Provides an airport security system that is adapted to communicate with external databases to identify wanted criminals or other persons of interest, prior to their boarding a commercial carrier. Enables monitoring of passengers while in the airport terminal.

DESCRIPTION OF DRAWING(S) - The drawing shows a flow chart illustrating a passenger check-in process.

ABSTRACTED-PUB-NO: WO2003053783A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.3/10

DERWENT-CLASS: Q25 S05 T01 T04 T05 W06
EPI-CODES: S05-D01C5A; T01-J05A; T01-J05B4P; T04-D04; T05-D01B; W06-B02A1; W06-B02A5;

L5: Entry 10 of 24 File: DWPI Jul 3, 2003

DERWENT-ACC-NO: 2003-543057
DERWENT-WEEK: 200352

TITLE: Largely automated access control device has personnel identity checking means combined with simultaneous checking of security- relevant objects and means for complete scanning of a person for security threatening objects

INVENTOR: ASSMANN, G

PATENT-ASSIGNEE: TRANSAS SRO (TRANN)

PRIORITY-DATA: 2001DE-1063123 (December 20, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 10163123 A1	July 3, 2003		009	G07C009/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 10163123A1	December 20, 2001	2001DE-1063123	

INT-CL (IPC): G07 C 9/00

ABSTRACTED-PUB-NO: DE 10163123A
BASIC-ABSTRACT:

NOVELTY - Device comprises a personnel gate (1) with at least two locking doors (3, 4) and a transport device (10) for objects. Sensors (7) within the gate ensure that a person is completely scanned.

USE - Personnel access control device for use in banks, airports, etc.

ADVANTAGE - The inventive device can be operated with minimal operating personnel and high throughput.

DESCRIPTION OF DRAWING(S) - Figure shows a schematic plan view of an inventive device.

personnel gate 1

locking doors 3, 4

object transport conveyor belt 10

sensors. 7

ABSTRACTED-PUB-NO: DE 10163123A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/3

DERWENT-CLASS: T05
EPI-CODES: T05-D01;

L5: Entry 11 of 24 File: DWPI Mar 20, 2003

DERWENT-ACC-NO: 2003-479839
DERWENT-WEEK: 200345

TITLE: Access controlling method in airport, involves transferring stored biometric data from database to security processor in response to request

INVENTOR: MAUNE, J J

PATENT-ASSIGNEE: MAUNE J J (MAUNI)

PRIORITY-DATA: 2001US-322836P (September 17, 2001), 2002US-0245543 (September 17, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030052768 A1	March 20, 2003		006	G06F007/04

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US20030052768A1	September 17, 2001	2001US-322836P	Provisional
US20030052768A1	September 17, 2002	2002US-0245543	

INT-CL (IPC): G06 F 7/04

ABSTRACTED-PUB-NO: US20030052768A
BASIC-ABSTRACT:

NOVELTY - Biometric data associated with personnel identification data, is stored in a database operated by the trusted authority (10). The stored data are transferred from the database to the security processor (11) in response to request including identification data. The data is retrieved from the processor to verify the identity of a person seeking access.

USE - For controlling access to secured area such as airport or departure gate, industrial or government facilities.

ADVANTAGE - Provides speedy security processing for persons cooperating with the security process in advance. Provides incentive to the people seeking access to provide cooperation with the system. Enables the security personnel to concentrate on reviewing the unconfirmed paper documents, as the burden on the security personnel is reduced by the lower level of hassle at the security checkpoint and the processing of cooperating persons.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the security system.

Trusted authority 10

Security processor 11

ABSTRACTED-PUB-NO: US20030052768A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.2/2

DERWENT-CLASS: S05 T01 T05 W06
EPI-CODES: S05-D01C5A; T01-J05B4P; T05-D01B; W06-B02A1;

L5: Entry 13 of 24 File: DWPI Oct 31, 2002

DERWENT-ACC-NO: 2003-182703
DERWENT-WEEK: 200318

TITLE: Portable biometric identification device used in airport and security zone, has central processing unit for generating iris pattern code from image of iris pattern obtained from biometric identification camera

INVENTOR: ALMALIK, M S

PATENT-ASSIGNEE: ALMALIK M S (ALMAI)

PRIORITY-DATA: 2001US-287657P (April 30, 2001), 2002US-0135780 (April 30, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20020158750 A1	October 31, 2002		011	G05B019/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US20020158750A1	April 30, 2001	2001US-287657P	Provisional
US20020158750A1	April 30, 2002	2002US-0135780	

INT-CL (IPC): G05 B 19/00

ABSTRACTED-PUB-NO: US20020158750A
BASIC-ABSTRACT:

NOVELTY - A biometric identification camera (51) is positioned on top of a computer monitor (50). A central processing unit generates an iris pattern code from an image of the iris pattern obtained from the camera.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Improved portable computer;

(2) Improved keyboard;

(3) Improved monitor;

(4) Biometric identification system; and

(5) Biometric identification method.

USE - Portable biometric identification device used in airports, check points, security zones for accessing remote database, authenticating credit card, bank card and smart card transactions and participating in video conferencing.

ADVANTAGE - The biometric features are identified easily and efficiently to allow secure access to confidential databases and transaction capabilities.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic view of the monitor.

Computer monitor 50

Biometric identification camera 51

ABSTRACTED-PUB-NO: US20020158750A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.5/5

DERWENT-CLASS: S05 T01 T04 T05 W01 W04 W06
EPI-CODES: S05-D01C5A; T01-J10A; T01-J10B2A; T01-J12C; T01-N02B1; T04-D04; T05-D01B; W01-A05B; W04-M01; W06-B02A;

L5: Entry 1 of 24 File: JPAB Jul 3, 2003

PUB-NO: JP02003182273A
DOCUMENT-IDENTIFIER: JP 2003182273 A
TITLE: BOARDING TICKET PROCESSING APPARATUS, GATE DEVICE, TICKET ISSUING DEVICE, BOARDING TICKET, BOARDING SYSTEM, PERSON IDENTIFICATION DEVICE, AND BOARDING TICKET PROCESSING METHOD

PUBN-DATE: July 3, 2003

INVENTOR-INFORMATION:
NAME COUNTRY
IKI, AMAHIKO
ECK, RALPH H

ASSIGNEE-INFORMATION:
NAME COUNTRY
OMRON CORP
EYEMATIC INTERFACES INC

APPL-NO: JP2002359393
APPL-DATE: December 11, 2002

PRIORITY-DATA: 2001013669 (December 13, 2001)

INT-CL (IPC): B42 D 15/10; G07 B 15/00

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a boarding ticket processing apparatus capable of enhancing the service to a boarding scheduled person and ensuring security by simply confirming the identity of the boarding scheduled person in a short time.

SOLUTION: The boarding ticket processing apparatus 2 prints the face of the boarding scheduled person on a boarding ticket 10. Therefore, by putting up the boarding ticket 10 on the boarding scheduled person, it can be simply judged whether a person having the boarding ticket 10 is the right possessor of the boarding ticket 10. By this constitution, since the security of the boarding scheduled person can be checked without requiring the boarding scheduled person to show the notification of an identification card or the like in an airport, the service to the boarding scheduled person can be enhanced. Further, since the identity of the boarding scheduled person whose face image is printed on the boarding ticket 10 is already confirmed, security can be ensured sufficiently.

L5: Entry 2 of 24 File: DWPI Jul 9, 2003

DERWENT-ACC-NO: 2003-732368
DERWENT-WEEK: 200370

TITLE: Airport outgoing passenger intelligent identity identification method and system

INVENTOR: ZHANG, Q

PATENT-ASSIGNEE: CHENGDU YINCHEN NETWORK COMMUNICATION SC (CHENN)

PRIORITY-DATA: 2002CN-0133321 (June 21, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
CN 1428718 A	July 9, 2003		000	G06F017/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
CN 1428718A	June 21, 2002	2002CN-0133321	

INT-CL (IPC): G06 F 17/00; G06 F 17/30; G06 K 7/10; G06 K 9/00

ABSTRACTED-PUB-NO: CN 1428718A
BASIC-ABSTRACT:

NOVELTY - At security-check exit a face image identification technique is used to collect face data, and an identity card identification apparatus is used to automatically identify identity card and card number. Human face image automatic collection, compression and identification technique is adopted to implement real time alarm for indicating a suspect. It adopts large-scale database technique for storing various data materials for a long period.

USE - The present invention relates to an intelligent identity identification method for outgoing passenger in airport and its system.

ABSTRACTED-PUB-NO: CN 1428718A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: S05 T01 T04 W06
EPI-CODES: S05-D01C5A; T01-J10B2A; T04-D07; W06-B02A1; W06-B02C;

L5: Entry 6 of 24 File: DWPI Aug 28, 2003

DERWENT-ACC-NO: 2003-689852
DERWENT-WEEK: 200365

TITLE: Airport security screening method for identifying documents e.g. drivers licenses, involves receiving drivers license with machine-readable data from person checking-in for air travel

INVENTOR: CARR, J S; DAVIS, B L ; DECKER, S K ; HAWES, J L ; HEIN, W C ; LEVY, K L ; MUNDAY, J ; PERRY, B W

PATENT-ASSIGNEE: DIGMARC CORP (DIGMN)

PRIORITY-DATA: 2002US-358321P (February 19, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 2003071396 A2	August 28, 2003	E	026	G06F000/00

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT SD SE SI SK SL SZ TR TZ UG ZM ZW

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
WO2003071396A2	February 19, 2003	2003WO-US05337	

INT-CL (IPC): G06 F 0/00

ABSTRACTED-PUB-NO: WO2003071396A
BASIC-ABSTRACT:

NOVELTY - The method involves receiving a drivers license with machine-readable data from a person checking-in for air travel. The identity of the issuing authority is determined from the read data. The read data is forwarded to a remote computer system having access to data records corresponding to issuing authority's drivers licenses. The data related to the license is received back from the computer system.

USE - Used for identifying documents e.g. drivers licenses in security applications in airport.

ADVANTAGE - The method provides error free reading of the document e.g. by data terminals in law enforcement vehicles. The method increases the security and enhances the functionality to any documents and to non-printed items like audio, image and video data.

ABSTRACTED-PUB-NO: WO2003071396A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: T01

WEST Search History

DATE: Sunday, November 30, 2003

Set Name side by side	Query	Hit Count	Set Name result set
DB=JPAB,EPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR			
L6	L5 and public	0	L6
L5	L4 and identif$	24	L5
L4	L3 and airport	80	L4
L3	security with check$	2147	L3
DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR			
L2	L1 and (ai or artificial$)	1	L2
L1	5142469.pn.	1	L1

END OF SEARCH HISTORY

Your search matched **3** of **988420** documents.

A maximum of **3** results are displayed, **25** to a page, sorted by **Relevance** in **descending** order.
You may refine your search by editing the current search expression or entering a new one the text box.
Then click **Search Again**.

security <paragraph> identification <paragraph> dat Search Again

Results:
Journal or Magazine = **JNL** Conference = **CNF** Standard = **STD**

1 **FaceCerts**
Kirovski, D.; Jojic, N.;
Data Compression Conference, 2003. Proceedings. DCC 2003 , 25-27 March 20
Page(s): 435

[Abstract] [PDF Full-Text (200 KB)] **IEEE CNF**

2 **2001 IEEE Pacific Rim Conference on Communications, Computers ar Signal Processing (IEEE Cat. No.01CH37233)**
Communications, Computers and signal Processing, 2001. PACRIM. 2001 IEEE I Rim Conference on , Volume: 2 , 26-28 Aug. 2001

[Abstract] [PDF Full-Text (720 KB)] **IEEE CNF**

3 **Low cost RF identification and locating system**
Ooi, T.H.; Lim, C.H.; Lau, K.T.;
Consumer Electronics, IEEE Transactions on , Volume: 35 Issue: 4 , Nov. 1989
Page(s): 831 -839

[Abstract] [PDF Full-Text (732 KB)] **IEEE JNL**

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FaceCerts

Kirovski, D. Jojic, N.
Microsoft Res., Microsoft Corp., Redmond, WA, USA;
This paper appears in: **Data Compression Conference, 2003. Proceeding DCC 2003**

Publication Date: 25-27 March 2003
On page(s): 435-
ISSN: 1068-0314
Number of Pages: xii+461
INSPEC Accession Number: 7762381

Abstract:
Summary form only given. The proposed electronic systems for personal ID verification need to connect to a remote database and retrieve a stored photc the comparison with the image on the ID. Unlike these systems, FaceCerts is off-line person identification system that relies on public-key cryptography fo provable security, while deploying a standard-quality low-cost color printing process. The basic requirement for the face compression algorithm in this sys discussed. A simple printing and scanning process combined with the face compression and matching software provides strong reliability of the FaceCer system, resulting in relatively low likelihood of false negatives and cryptographically strong likelihood of a false positive.

Index Terms:
data compression face recognition image coding image matching public key cryptography 2-D color bar-code FaceCert ID system arbitrary typed messages face compression algorithm off-line person identification system printing process public-ke cryptography scanning process

h e ch eee e eee g e ch c e g e

Your search matched **5** of **988420** documents.

A maximum of **5** results are displayed, **25** to a page, sorted by **Relevance** in **descending** order.
You may refine your search by editing the current search expression or entering a new one the text box.
Then click **Search Again**.

security <paragraph> identification <paragraph> data Search Again

Results:
Journal or Magazine = **JNL** Conference = **CNF** Standard = **STD**

1 **FaceCerts**
Kirovski, D.; Jojic, N.;
Data Compression Conference, 2003. Proceedings. DCC 2003 , 25-27 March 20
Page(s): 435

[Abstract] [PDF Full-Text (200 KB)] IEEE CNF

2 **Automated fingerprint identification system (AFIS) benchmarking us the National Institute of Standards and Technology (NIST) Special Data 4**
Khanna, R.; Weicheng Shen;
Security Technology, 1994. Proceedings. Institute of Electrical and Electronics Engineers 28th Annual 1994 International Carnahan Conference on , 12-14 Oct
Page(s): 188 -194

[Abstract] [PDF Full-Text (368 KB)] IEEE CNF

3 **Photo-image authentication by pattern recognition and cryptography**
O'Gorman, L.; Rabinovich, I.;
Pattern Recognition, 1996., Proceedings of the 13th International Conference on
Volume: 3 , 25-29 Aug. 1996
Page(s): 949 -953 vol.3

[Abstract] [PDF Full-Text (404 KB)] IEEE CNF

4 **Information technology improves most of the democratic voting proc**
Watson, A.; Cordonnier, V.;
Database and Expert Systems Applications, 2001. Proceedings. 12th Internation

Workshop on , 3-7 Sept. 2001
Page(s): 388 -393

[Abstract] [PDF Full-Text (456 KB)] **IEEE CNF**

5 **Secure identification documents via pattern recognition and public-ke cryptography**
O'Gorman, L.; Rabinovich, I.;
Pattern Analysis and Machine Intelligence, IEEE Transactions on , Volume: 20 I 10 , Oct. 1998
Page(s): 1097 -1102

[Abstract] [PDF Full-Text (504 KB)] **IEEE JNL**

L5: Entry 14 of 24 File: DWPI Jan 30, 2002

DERWENT-ACC-NO: 2002-173150
DERWENT-WEEK: 200223

TITLE: Identifying traveler before/during travel involves contactlessly detecting traveler's identity data using reader at starting point, associating identity data with personal data in booking database

INVENTOR: MAESING, J

PATENT-ASSIGNEE: ICN ING COMPUTER & NETZWERKTECHNIK (ICNIN)

PRIORITY-DATA: 2000DE-1036663 (July 26, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 1176526 A2	January 30, 2002	G	010	G06F017/60
DE 10036663 A1	February 7, 2002		000	G07C009/00

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 1176526A2	July 19, 2001	2001EP-0117451	
DE 10036663A1	July 26, 2000	2000DE-1036663	

INT-CL (IPC): G06 F 17/60; G07 C 9/00; G07 F 7/08; H04 M 3/42

ABSTRACTED-PUB-NO: EP 1176526A
BASIC-ABSTRACT:

NOVELTY - The method involves contactlessly detecting the traveler's identity data using a reader at the departure point, associating the identity data with personal data stored in a travel booking database, reproducing the traveler's personal data and if appropriate notifying the traveler. The traveler's data are reproduced by reproducing the name acoustically and/or by image display.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following: an arrangement, especially for implementing the method.

USE - For identifying a traveler before/during travel for travel service awareness.

ADVANTAGE - Enables contactless identification of a traveler using a new method.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic illustration of a method of identifying a traveler before/during travel (Drawing includes non-English text)

flight booking 1

confirmation by SMS 2

check in by mobile telephone 3

boarding card by SMS 4

register at airport 5

issue boarding card 6

check in luggage 7

security check 8

boarding 9

ABSTRACTED-PUB-NO: EP 1176526A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/1

DERWENT-CLASS: T01
EPI-CODES: T01-J05A2; T01-J05B1; T01-J10C; T01-J18;

L5: Entry 15 of 24 File: DWPI Jan 1, 2002

DERWENT-ACC-NO: 2002-349953
DERWENT-WEEK: 200252

TITLE: Airport security establishment involves tracking passenger location using wireless smartcard device, and stopping passenger when identification check against law enforcement database indicates security interest

INVENTOR: SWEATTE, C; SWEATTE, C C

PATENT-ASSIGNEE: SWEATTE C C (SWEAI), SWEATTE C (SWEAI)

PRIORITY-DATA: 1999US-156447P (September 28, 1999), 2000US-0669417 (September 25, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6335688 B1	January 1, 2002		011	G08B023/00
AU 200196287 A	April 8, 2002		000	G08B023/00
WO 200227686 A1	April 4, 2002	E	000	G08B023/00

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US 6335688B1	September 28, 1999	1999US-156447P	Provisional
US 6335688B1	September 25, 2000	2000US-0669417	
AU 200196287A	September 21, 2001	2001AU-0096287	
AU 200196287A		WO 200227686	Based on
WO 200227686A1	September 21, 2001	2001WO-US29647	

INT-CL (IPC): G08 B 23/00

ABSTRACTED-PUB-NO: US 6335688B
BASIC-ABSTRACT:

NOVELTY - A passenger is identified at check in time using an ID data such as eye, fingerprint or a face recognition scan. The ID data entered into an airport security controller is compared with that in a law enforcement database. The passenger's location in the airport is tracked using a wireless smartcard device with a wireless transponder. The passenger is stopped, when an ID check against the database indicates a security interest.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for airport security system.

USE - For identifying and tracking a passenger or employee in and through airports, for airport security, using fingerprint scan, retina scan, voice scan, handprint,

palmprint, etc.

ADVANTAGE - Prevents persons having two boarding passes or persons boarding the wrong flight or persons exiting an aircraft after boarding, without the awareness of an airline personnel. Allows apprehension of wanted persons entering airports or boarding flights while preventing identity switches between the persons who check in, and the persons who actually board the aircraft. Enables identifying and tracking the passengers in a building, from the point of view of security and law enforcement.

DESCRIPTION OF DRAWING(S) - The figure shows a aircraft boarding gate with egress control.

ABSTRACTED-PUB-NO: US 6335688B
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.3/5

DERWENT-CLASS: S05 T01 T05 W02 W05 W06
EPI-CODES: S05-D01C5A; T01-C03C; T01-C10; T01-H01B3A; T01-J05B4P; T01-J10B2A; T05-D01B; W02-G05B; W05-B01A1; W06-A04B5C; W06-B02A1;

L5: Entry 16 of 24 File: DWPI May 8, 2001

DERWENT-ACC-NO: 2001-564045
DERWENT-WEEK: 200163

TITLE: Radio frequency identification system for surveillance e.g. in airports, reads identification tag with unique radio frequency signature, by irradiating with radio frequency energy

INVENTOR: WACK, C J

PATENT-ASSIGNEE: TECSEC INC (TECSN)

PRIORITY-DATA: 1997US-035477P (January 13, 1997), 1998US-0006160 (January 13, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6229445 B1	May 8, 2001		006	G08B013/14

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US 6229445B1	January 13, 1997	1997US-035477P	Provisional
US 6229445B1	January 13, 1998	1998US-0006160	

INT-CL (IPC): G08 B 13/14

RELATED-ACC-NO: 1999-518242

ABSTRACTED-PUB-NO: US 6229445B
BASIC-ABSTRACT:

NOVELTY - The radio frequency (RF) identification system has a RF generator (12) that generates RF energy at a frequency of about 25 GHz. A detector (14) reads an unique RF signature included in an identification tag (2), by irradiating the tag with RF energy.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for identification process.

USE - For use in tracking people and their belongings for security checks in e.g. airports, for surveillance of released criminals, etc.

ADVANTAGE - By using RF energy, tags can be identified from a distance approximately 10 meters. Linking of person's identifying physical information that is biometric data with this RF identification system adds a level of reconciliation that greatly improves the level of surveillance.

DESCRIPTION OF DRAWING(S) - The figure shows the RF identification system using RF ID tag.

Identification tag 2

RF generator 12

Detector 14

ABSTRACTED-PUB-NO: US 6229445B
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.2/4

DERWENT-CLASS: W05
EPI-CODES: W05-B01B;

L5: Entry 17 of 24 File: DWPI Dec 17, 1998

DERWENT-ACC-NO: 1999-046938
DERWENT-WEEK: 199905

TITLE: Airport passenger handling process - involves guiding passengers through check-in and security devices to central waiting area to await boarding call

INVENTOR: FORBERGER, F; GEH, A ; GELBERT, L ; HOEHN, H

PATENT-ASSIGNEE: ABB DAIMLER-BENZ TRANSPORTATION DEUT GMB (ALLM)

PRIORITY-DATA: 1997DE-1025321 (June 10, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 19725321 A1	December 17, 1998		010	B64F001/31

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 19725321A1	June 10, 1997	1997DE-1025321	

INT-CL (IPC): B64 F 1/31

ABSTRACTED-PUB-NO: DE 19725321A
BASIC-ABSTRACT:

The passenger handling process involves the passengers entering, being identified and checked in a central terminal (2). The aircraft parking places (6) are separate from the terminal. A perimeter track (8) surrounding the terminal is connected by main roads (9) with aircraft-adapted approach bridges branching off to the aircraft parking places.

Special buses controlled automatically from a centre run on the track, roads and bridges. These buses can dock with gates at the periphery of the terminal and with adaptors at the aircraft parking places.

ADVANTAGE - Safer and more reliable transfer of passengers between terminal and aircraft.

ABSTRACTED-PUB-NO: DE 19725321A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/8

DERWENT-CLASS: Q25

L5: Entry 18 of 24 File: DWPI Jun 4, 1998

DERWENT-ACC-NO: 1998-322906
DERWENT-WEEK: 199828

TITLE: Automated check-in system for hotels, lodging houses, etc. - includes key dispenser, payment acceptance module and security device to provide room key, accept payment and verify patron's identity

INVENTOR: RATH, R J

PATENT-ASSIGNEE: EXPRESS KEY INC (EXPRN)

PRIORITY-DATA: 1996US-030671P (November 12, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9824006 A2	June 4, 1998	E	028	G04G000/00
AU 9851805 A	June 22, 1998		000	G04G001/00

DESIGNATED-STATES: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

CITED-DOCUMENTS:No-SR.Pub

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
WO 9824006A2	November 12, 1997	1997WO-US21003	
AU 9851805A	November 12, 1997	1998AU-0051805	
AU 9851805A		WO 9824006	Based on

INT-CL (IPC): G04 G 0/00; G04 G 1/00

ABSTRACTED-PUB-NO: WO 9824006A
BASIC-ABSTRACT:

The check-in system (100) includes a computer (110) controlling a number of peripheral devices (120), including a key dispensing mechanism (140) for providing a key to a selected room, and a card reading device (150) and/or a currency validation device (160) for accepting payment for the room. A authentication/security device (180) verifies the patron's identity to help prevent fraud and/or unauthorised entry; e.g. an electronic signature capturing device, a visual recognition system, a fingerprint scanner, or systems capable or recognising hand geometry, voices or eyes.

An input device (135) allows the customer to enter information into the computer and permits selection of a room, information for the customer being shown on a display (130).

ADVANTAGE - Streamlines and registration process. Enables patron to obtain key at any time without delay, using his own language, and, as system may be located remotely from establishment such as at airports, even before arrival.

ABSTRACTED-PUB-NO: WO 9824006A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/15

DERWENT-CLASS: S05 T01 T05
EPI-CODES: S05-D01C5A; T01-J05A2; T05-D01B; T05-H05C; T05-H08C;

L5: Entry 21 of 24 File: DWPI Feb 29, 1996

DERWENT-ACC-NO: 1996-151541
DERWENT-WEEK: 200152

TITLE: Identification method for travellers or secure area access - involves issuing individuals with non contact identification card that identifies individual and database holding biometric data for individual

INVENTOR: CHAPMAN, B P; CHAPMAN, B

PATENT-ASSIGNEE: GEEFIELD PTY LTD (GEEFN)

PRIORITY-DATA: 1995AU-0004702 (August 9, 1995), 1994AU-0007690 (August 25, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9606409 A1	February 29, 1996	E	036	G06K019/067
CN 1166219 A	November 26, 1997		000	G06K019/067
AU 9533353 A	March 14, 1996		000	G06K019/067
EP 777890 A1	June 11, 1997	E	000	G06K019/067
AU 681541 B	August 28, 1997		000	G06K019/067
JP 10508126 W	August 4, 1998		040	G06K017/00
NZ 334826 A	October 27, 2000		000	G09F003/03

DESIGNATED-STATES: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG US UZ VN AT BE CH DE DK ES FR GB GR IE IT KE LU MC MW NL OA PT SD SE SZ UG DE FR GB IT

CITED-DOCUMENTS:1.Jnl.Ref; US 5412192 ; WO 9429179 ; WO 9502225 ; WO 9516245 ; WO 9526013

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
WO 9606409A1	August 25, 1995	1995WO-AU00545	
CN 1166219A	August 25, 1995	1995CN-0195862	
AU 9533353A	August 25, 1995	1995AU-0033353	
AU 9533353A		WO 9606409	Based on
EP 777890A1	August 25, 1995	1995EP-0929664	
EP 777890A1	August 25, 1995	1995WO-AU00545	
EP 777890A1		WO 9606409	Based on
AU 681541B	August 25, 1995	1995AU-0033353	
AU 681541B		AU 9533353	Previous Publ.
AU 681541B		WO 9606409	Based on
JP 10508126W	August 25, 1995	1995WO-AU00545	
JP 10508126W	August 25, 1995	1996JP-0503532	
JP 10508126W		WO 9606409	Based on
NZ 334826A	August 25, 1995	1995NZ-0334826	

INT-CL (IPC): B42 D 15/10; G06 K 17/00; G06 K 19/067; G06 K 19/07; G06 K 19/10; G09 F 3/03

ABSTRACTED-PUB-NO: WO 9606409A
BASIC-ABSTRACT:

The method provides individuals requiring identification with a radio frequency transponder card (10). It has an antenna (15) interfaced with entry (16), description (17) and validation (18) transponder circuits. They provide a secure method for an interrogation unit to identify cards passing within its area. When individuals are issued with the cards they also provide biometric data such as a thermograph, fingerprint, photograph, voice print, DNA sequence, which is stored in a database.

When the individual is in transit, the card is sensed and a thermograph image obtained and compared with the database. The database image is sent to points of arrival and departure.

USE/ADVANTAGE - For individuals or articles in transit, shipping containers, motor vehicles etc. Provides high security verification of individuals allowing rapid transit through checking areas, prevents unauthorised access to or passage from banks, accounts, secure buildings, airport terminals.

ABSTRACTED-PUB-NO: WO 9606409A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/6

DERWENT-CLASS: P76 P85 T01 T04 T05 W02 W06
EPI-CODES: T01-J05B4; T04-K01; T05-D01A; T05-D01B; W02-G05B; W06-A04B3; W06-A04B5; W06-B02A1;